

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A specimen centrifuge apparatus comprising:

a centrifuge device including specimen centrifuge units stacked one on another;

~~a carry-in conveyor provided along a horizontal conveyance line that passes by the centrifuge device and having a container delivering section close to the centrifuge device, the carry-in conveyor conveying~~ which horizontally conveys pre-processed specimen containers;

~~a carry-out conveyor provided along the horizontal conveyance line and having a container receiving section close to the centrifuge device, the carry-out conveyor conveying~~ which horizontally conveys processed specimen containers;

~~a carry-in elevator which is provided along a vertical conveyance line that passes by the specimen centrifuge units of the centrifuge device, the carry-in elevator conveying at a side of the centrifuge units and vertically conveys~~ a given number of pre-processed specimen containers from a ~~level of the~~ container delivering section of the carry-in conveyor to a ~~level of the~~ container delivering section of ~~a designated one of the~~ centrifuge ~~unit~~units;

~~a carry-out elevator which is provided along the vertical conveyance line, the carry-out elevator conveying at a side of the centrifuge units and vertically conveys~~ a given number of processed specimen containers from ~~a level of the designated the one of the~~ centrifuge ~~unit~~units to a ~~level of the~~ container receiving section of the carry-out conveyor;

~~a carry-in transfer arm which transfers the pre-processed specimen containers from the carry-in conveyor to the carry-in elevator;~~

~~a carry-out transfer arm which transfers the processed specimen containers from the carry-out elevator to the carry-out conveyor;~~

a loading arm attached to each of the specimen centrifuge units, the loading arm removing the pre-processed specimen containers from the carry-in elevator and ~~leads~~loading the pre-processed specimen containers into one of the specimen centrifuge units; and
an unloading arm attached to each of the specimen centrifuge units, the unloading arm unloading the processed specimen containers from one of the specimen centrifuge units and moving the processed specimen containers to the carry-out elevator.

2. (Currently Amended) The specimen centrifuge apparatus according to claim 1, wherein the container delivering section of the carry-in conveyor is arranged in parallel to both a specimen container rack which is attached to the carry-in elevator and a rectangular parallelepiped specimen container bucket located in a container inserting section of a rotor of each of the specimen centrifuge units to allow the pre-processed specimen containers arranged in line to move, and the container receiving section of the carry-out conveyor is arranged in parallel to both a specimen container rack which is attached to the carry-out elevator and a rectangular parallelepiped specimen container bucket located in a container removing section of the rotor of each of the specimen centrifuges to allow the processed specimen containers arranged in line to move.

3. (Original) The specimen centrifuge apparatus according to claim 2, wherein the rotor of each of the specimen centrifuge units is located such that a longitudinal direction of the rectangular parallelepiped specimen container bucket corresponds to the radial direction of a rotating disc.

4. (Original) The specimen centrifuge apparatus according to claim 1, further comprising a controller which operates the specimen centrifuge units simultaneously or selectively.

5. (Original) The specimen centrifuge apparatus according to claim 1, further comprising a controller which sets rotation directions of a rotor of the specimen centrifuge units in a given direction.